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```

**          ****  **          ***          **  *
IL-7human   .VSFRYIFGL PPLILVLLPV ASSDCDIEGK DGKQYESVLM
IL-7sheep   .VSFRYIFGI PPLILVLLPV ASSDCDFSGK DGGAYQNVLM
IL-7bovin   .VSFRYIFGI PPLILVLLPV ASSDCDISGK DGGAYQNVLM
IL-7mouse   .VSFRYIFGI PPLILVLLPV TSSECHIKDK EGKAYESVLM
IL-7rat      .VSFRYIFGI PPLILVLLPV TSSDCHIKDK DGKAFGSVLM
ILB50human  MFPFALLYVL SVSFRKIFIL QLVGLVLT.Y DFTNCDFE.K IKAAYLSTIS
-----
                                helix A

*          *  **          *  *
IL-7human   VSIDQLLDSM KEIGSNCLNN EFNFFKRHC DANKEGMFLF RAARKLRQFL
IL-7sheep   VSIDDL.DNM INFDSNCLNN EPNFFKKHSC DDNKEASFNL RAARKLKQFL
IL-7bovin   VNIDDL.DNM INFDSNCLNN EPNFFKKHSC DDNKEASFNL RASRKLKQFL
IL-7mouse   ISIDEL.DKM TGTDNSNCPNN EPNFFRKHVC DDTKEAAFLN RAARKLKQFL
IL-7rat      ISINQL.DKM TGTDSDCPNN EPNFFKKHLC DDTKEAAFLN RAARKLRQFL
ILB50human  KDLITY...M SGTGSTEFNN TVSCSNRPHC LTEIQSLTFN PTAGCASLAK
-----
                                strand 1    helix B

```

FIG. 1A

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IL-7human	*	KMNSTGDFDL	HLLKVSEGT	ILNCTGQVK	GRKPAALGEA	QPTKSLEENK	*
IL-7sheep		KMNISDDFKL	HLSTVSQGT	TLNCTSKGK	GRKPPSLGEA	QPTKNLEENK	
IL-7bovin		KMNISDDFKL	HLSTVSQGT	TLNCTSKGK	GRKPPSLSEA	QPTKNLEENK	
IL-7mouse		KMNISEEFNV	HLLTVSQGT	TLVNCTSK..	.....	EEK	
IL-7rat		KMNISEEFND	HLLRVSDGT	TLVNCTSK..	.....	EEK	
ILB50human		EMFAMKTKAA	LAIWCPGYSE	TQINATQA..	.....	MK	

-----

helix C

IL-7human	*	SLKEQKKLND	LCFLKRLLQE	IKTCWNKILM	GTKEH
IL-7sheep		SLKEQKKQND	LCFLKILLQK	IKTCWNKILR	GITEH
IL-7bovin		SSKEQKKQND	LCFLKILLQK	IKTCWNKILR	GIKEH
IL-7mouse		NVKEQKK.ND	ACFLKRLLRE	IKTCWNKILK	GSI..
IL-7rat		TIKEQKK.ND	PCFLKRLLRE	IKTCWNKILK	GSI..
ILB50human		KRRKRKVTTN	KCLEQVSQIQ	GLWRRFRNRP	LKQQ.

^^^-----

strand 2                      helix D

FIG. 1B

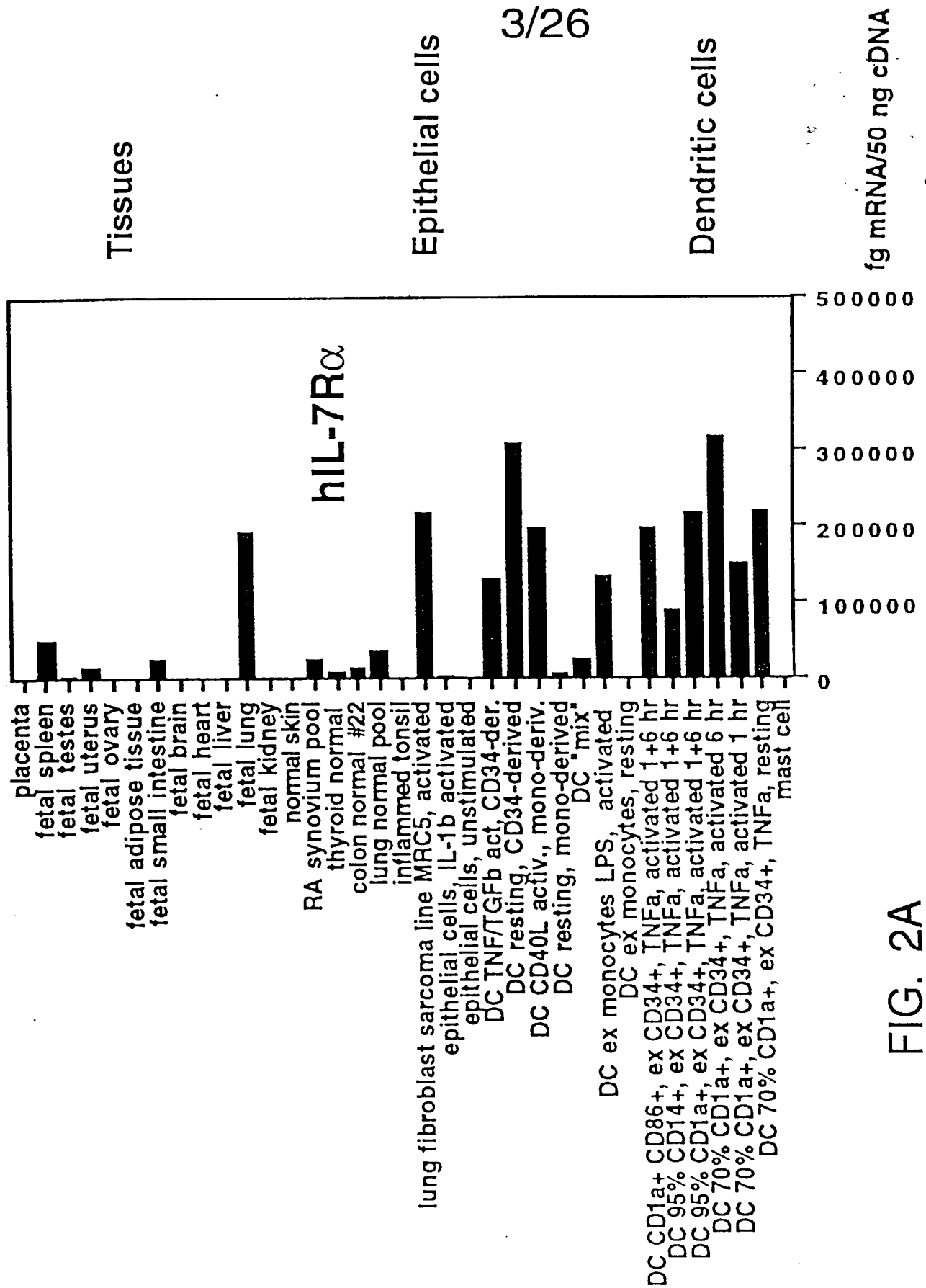


FIG. 2A

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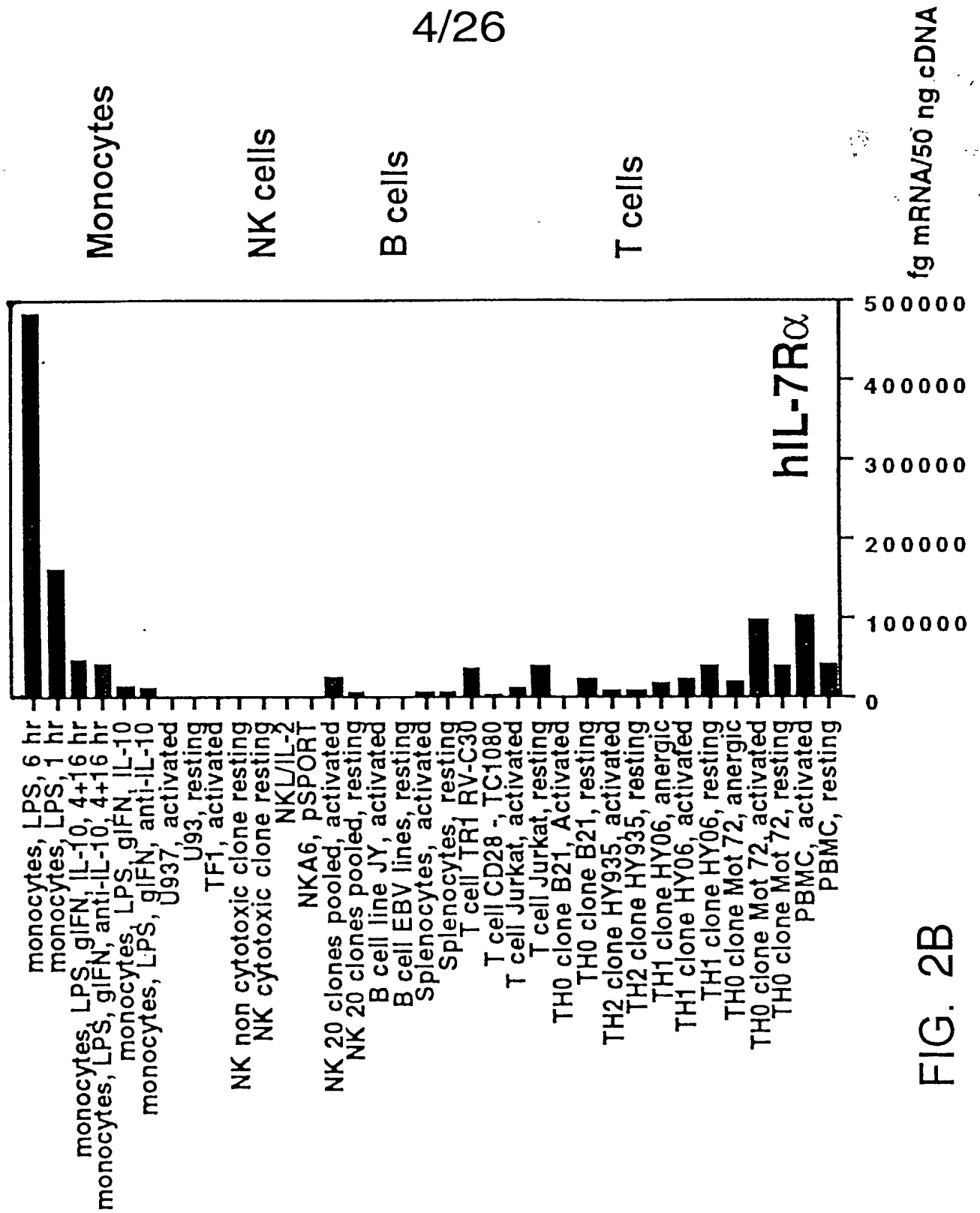


FIG. 2B

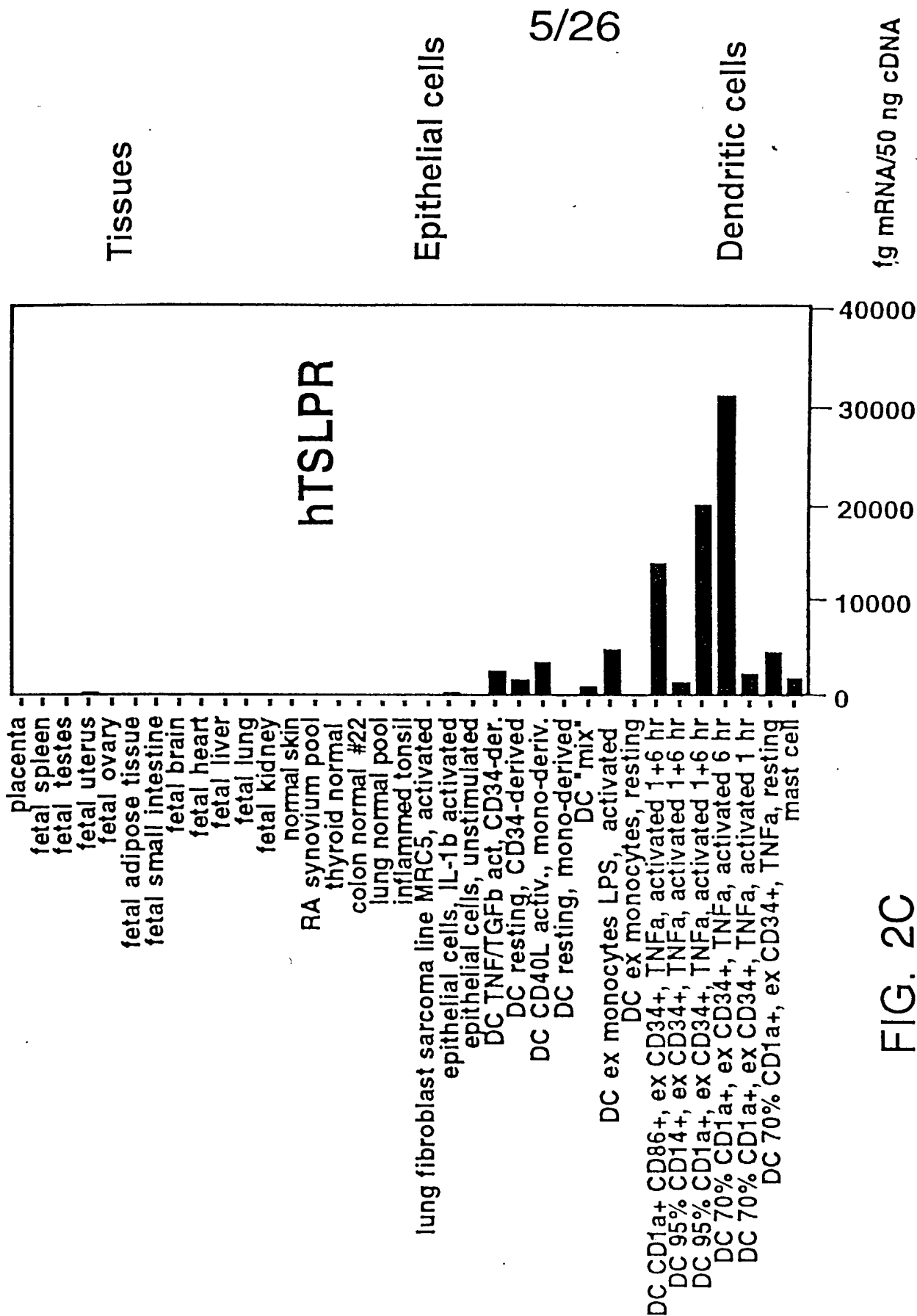


FIG. 2C

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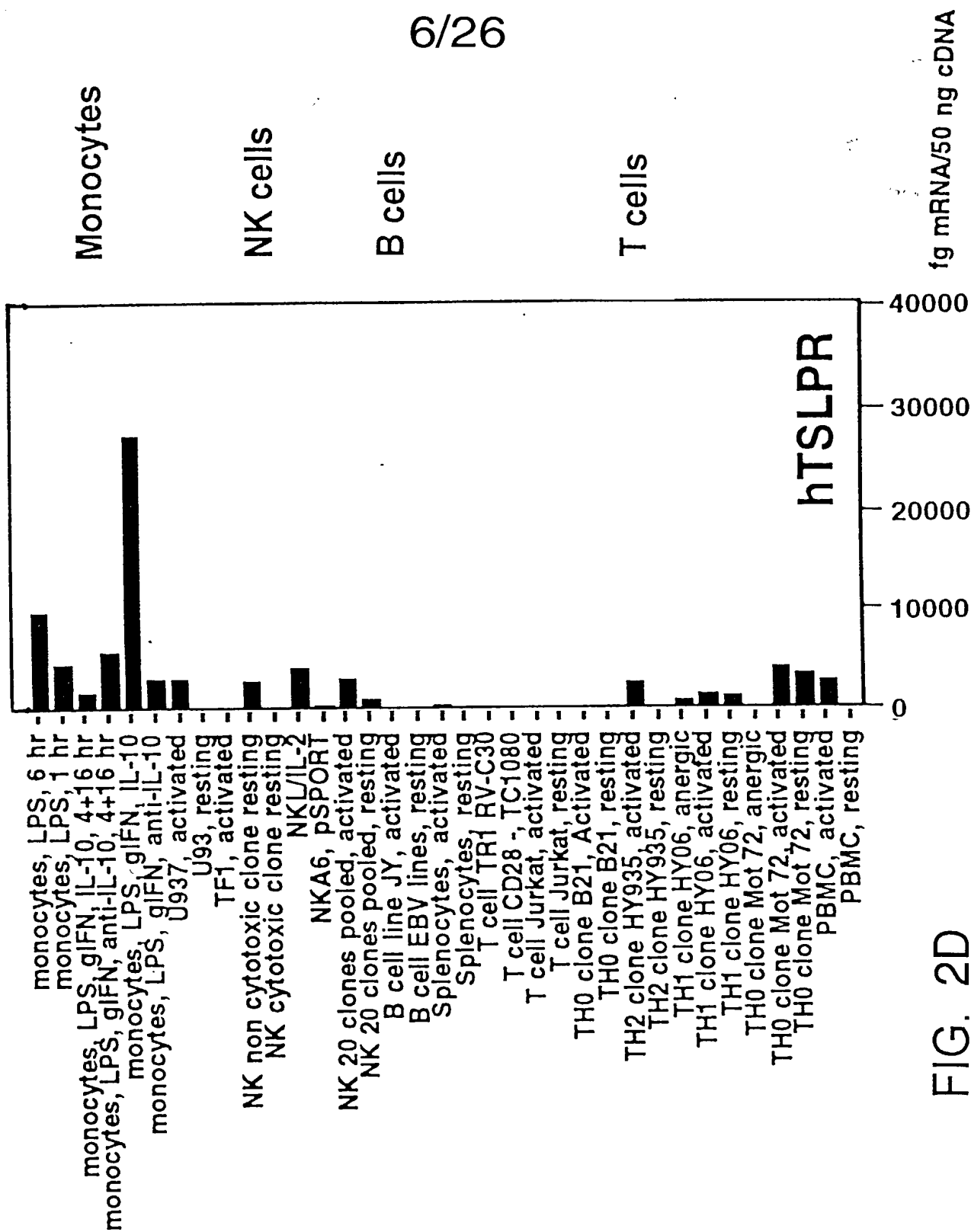


FIG. 2D

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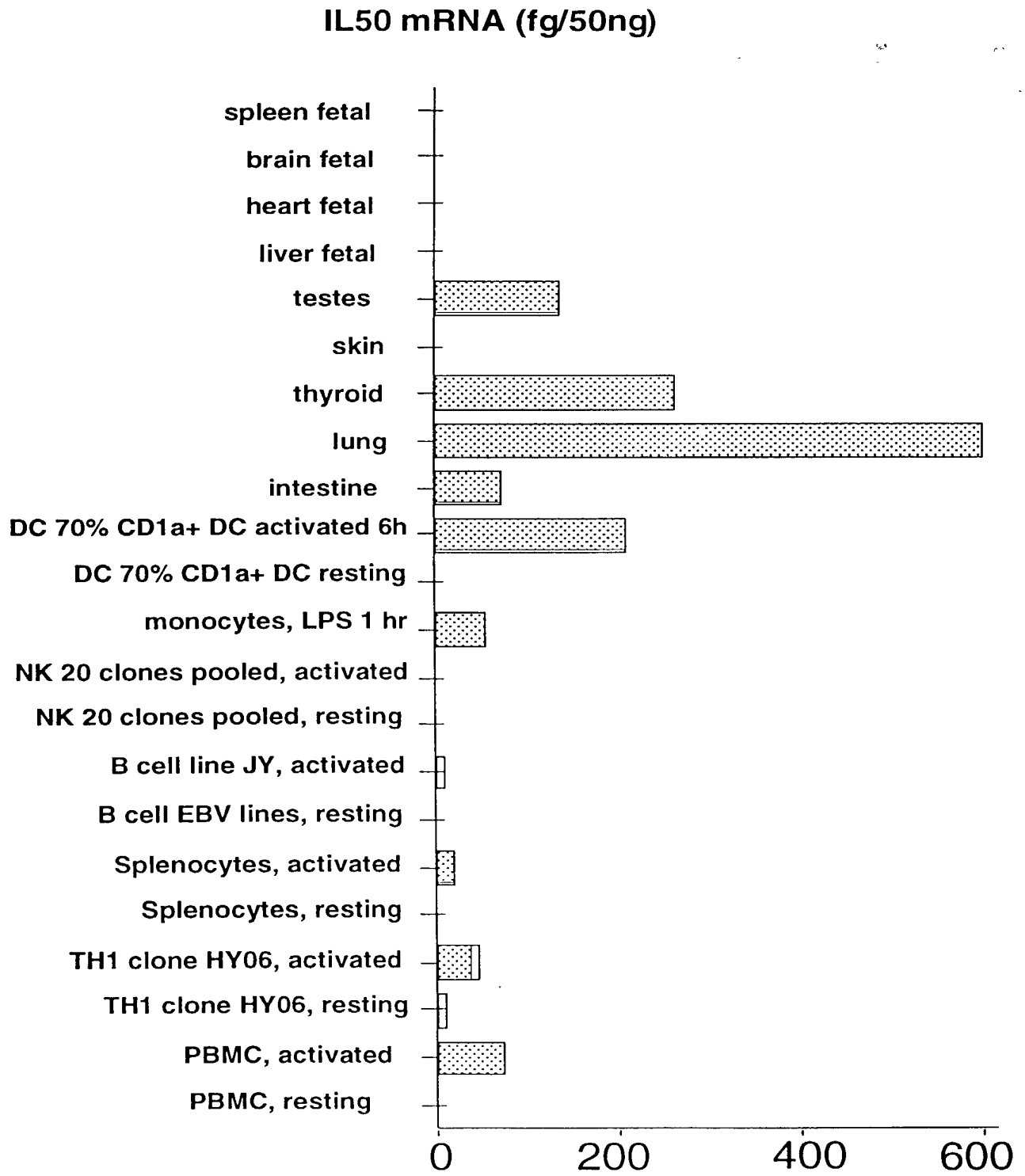


FIG. 2E

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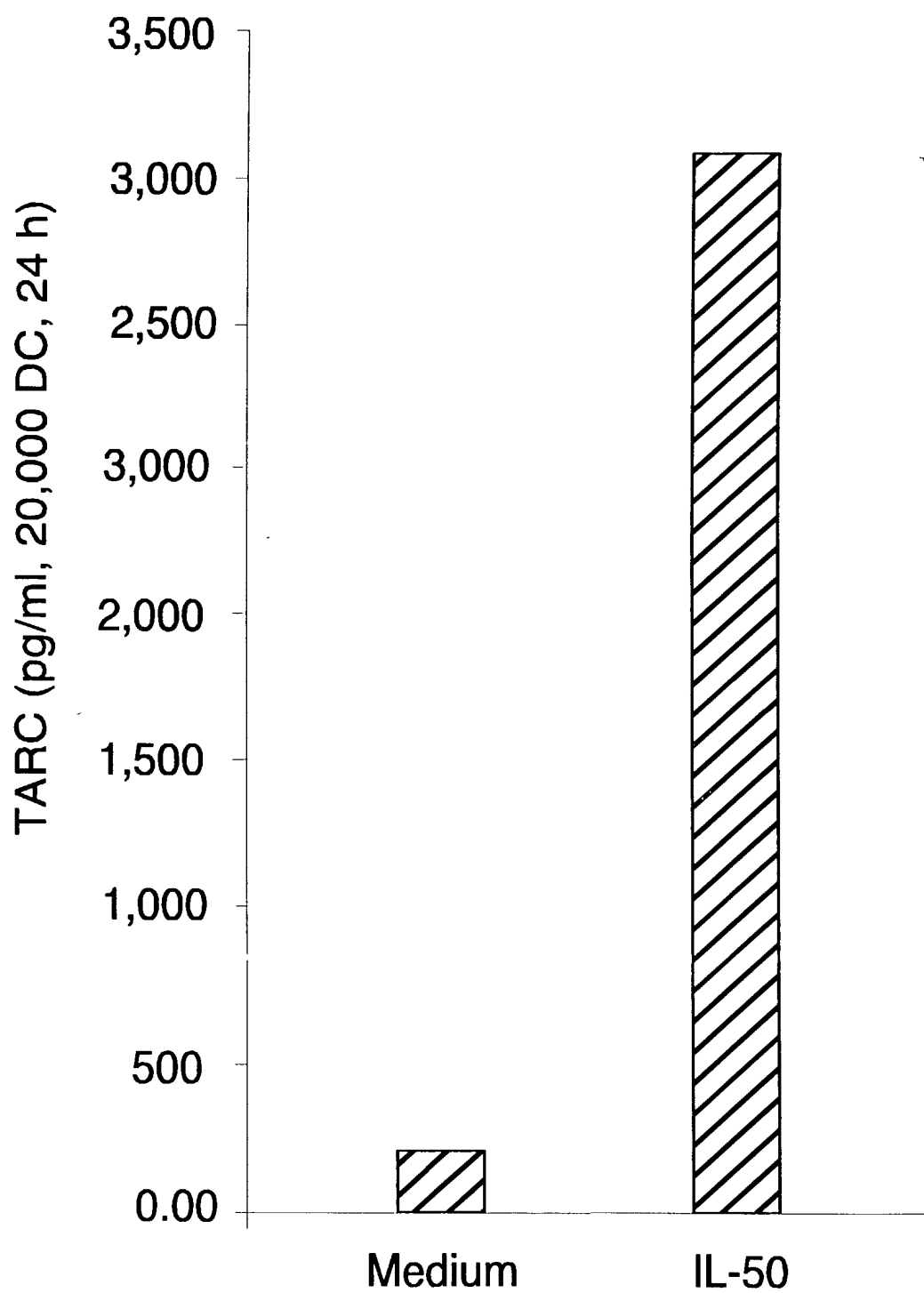


FIG. 3



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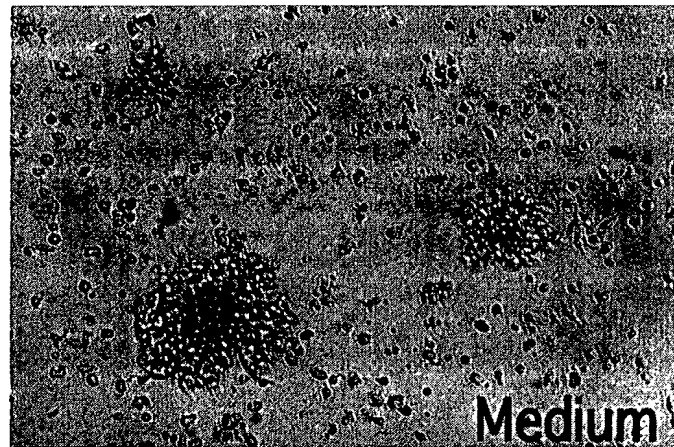


FIG. 4A

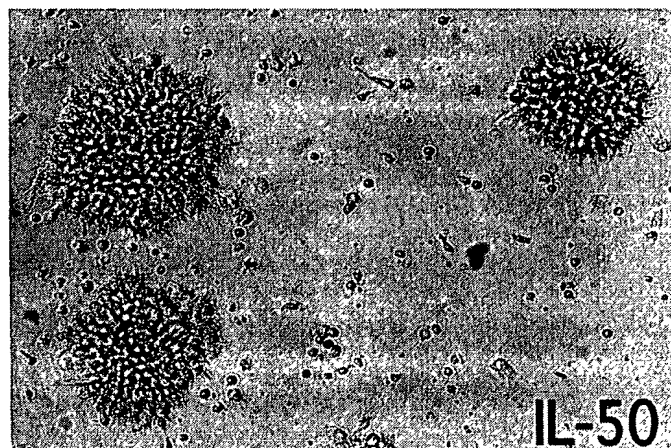


FIG. 4B

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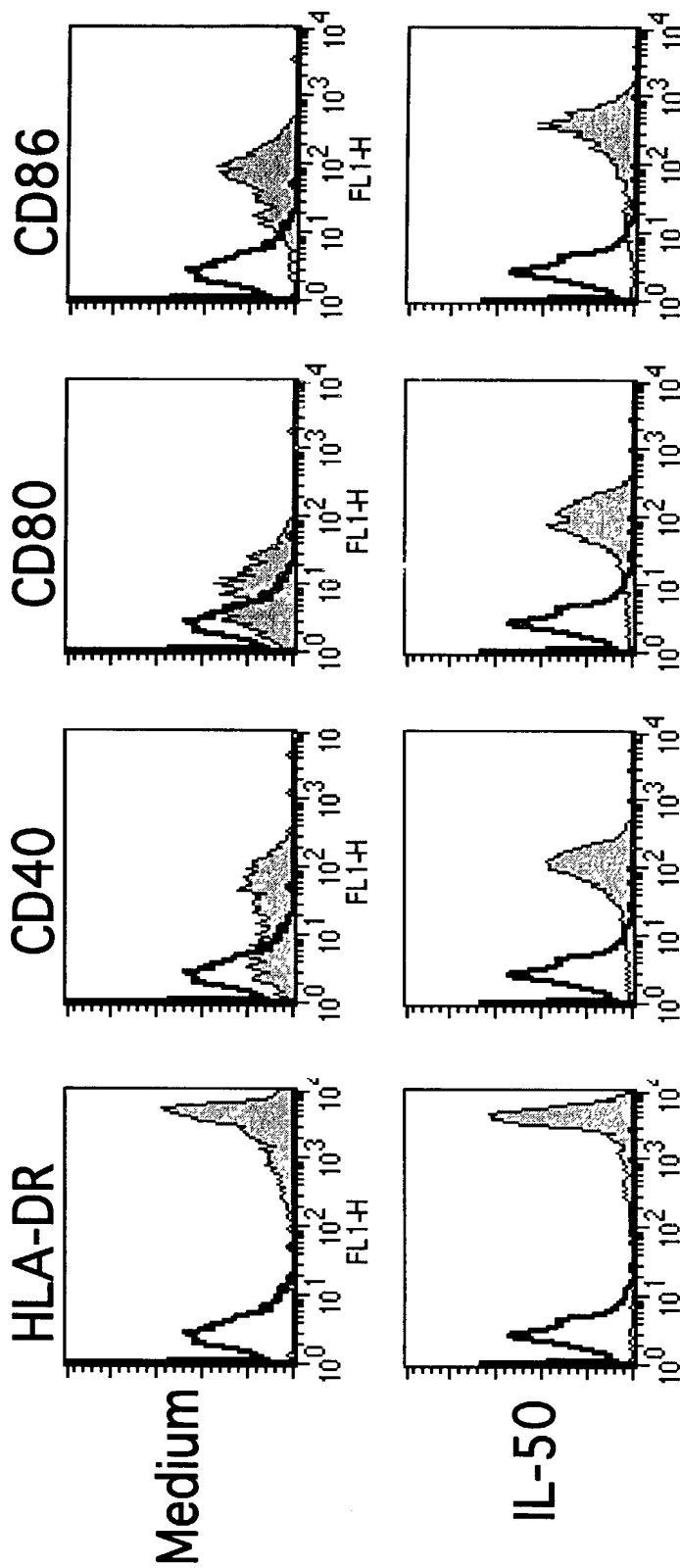


FIG. 5

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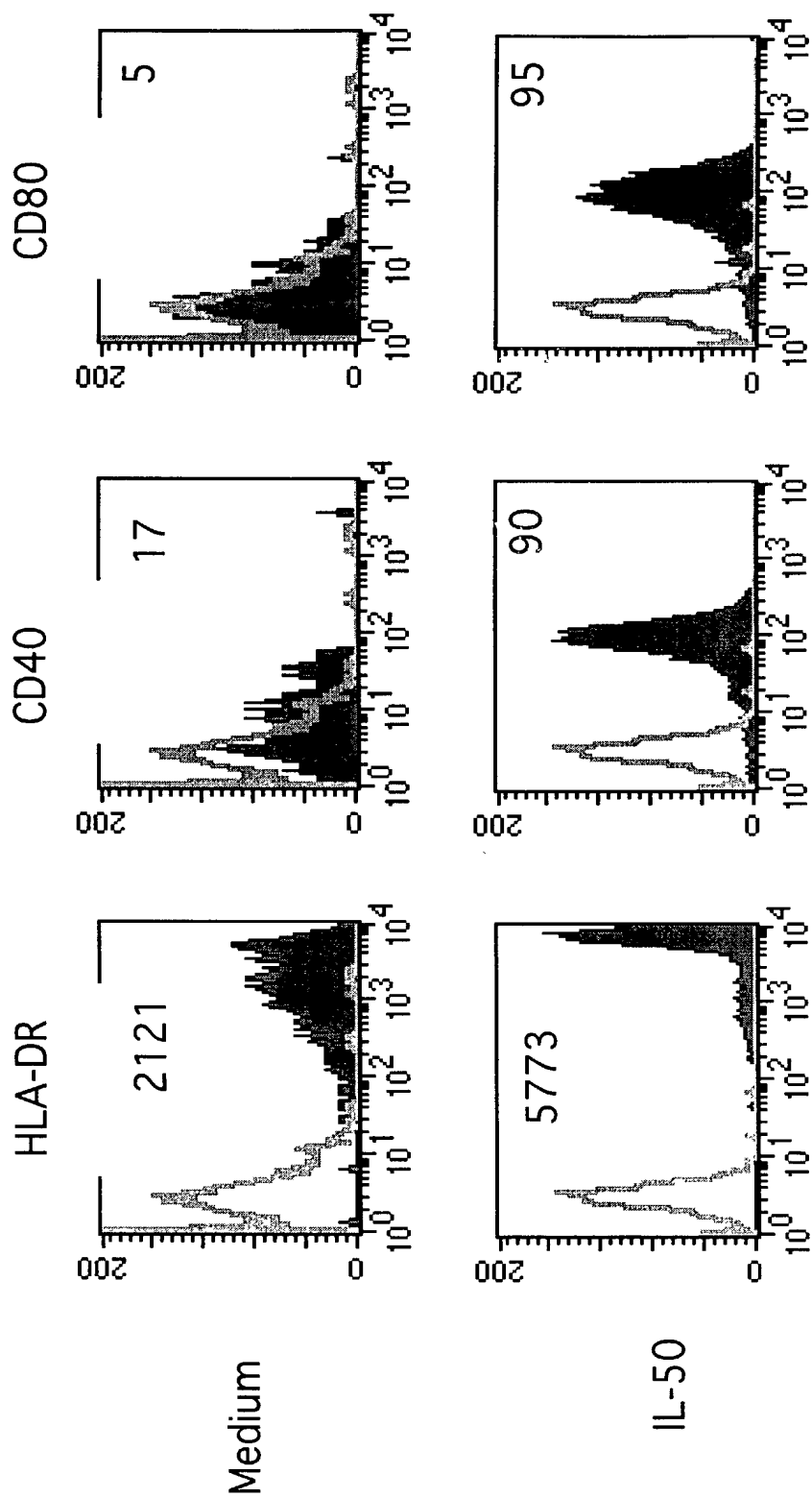


FIG. 6A

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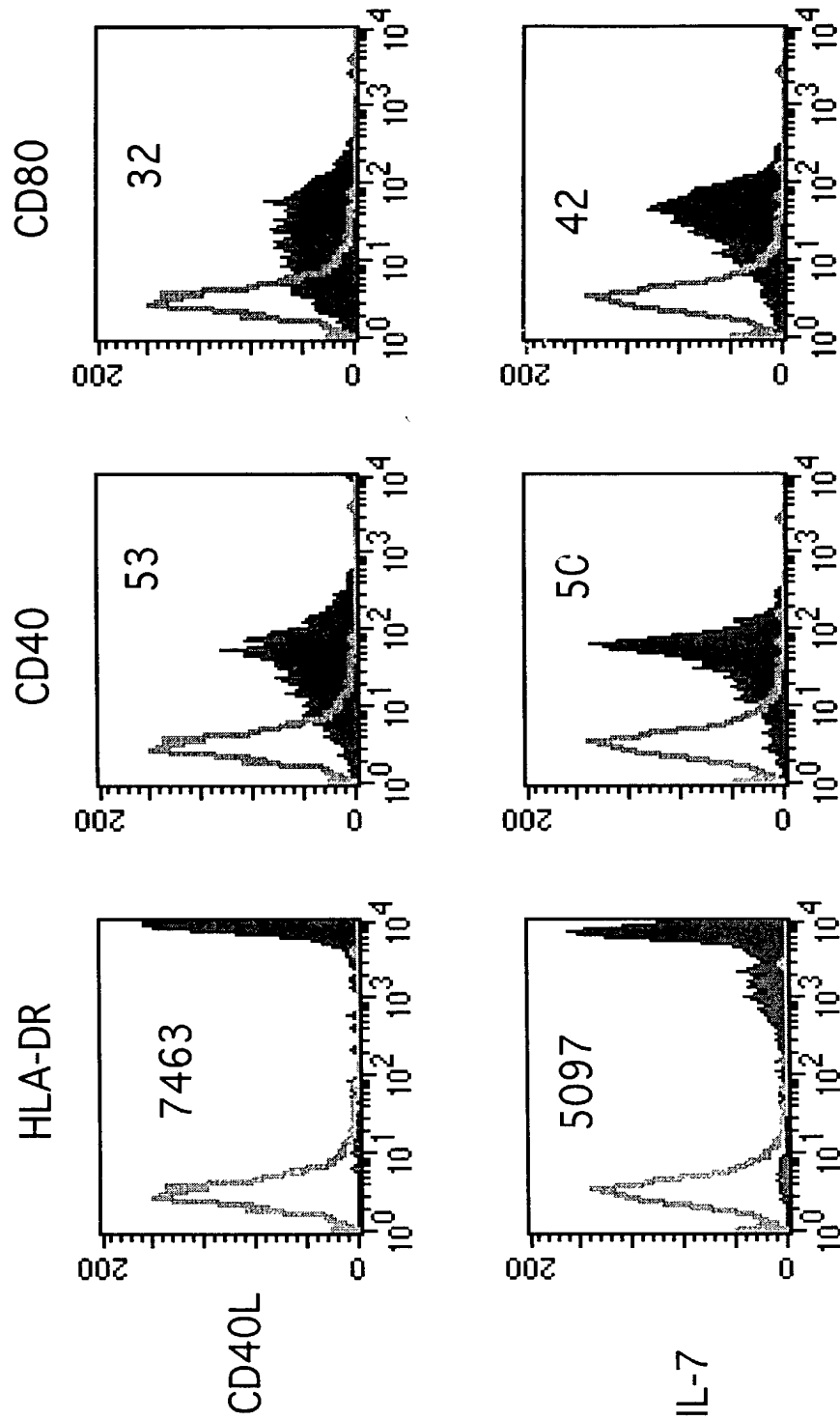


FIG. 6B

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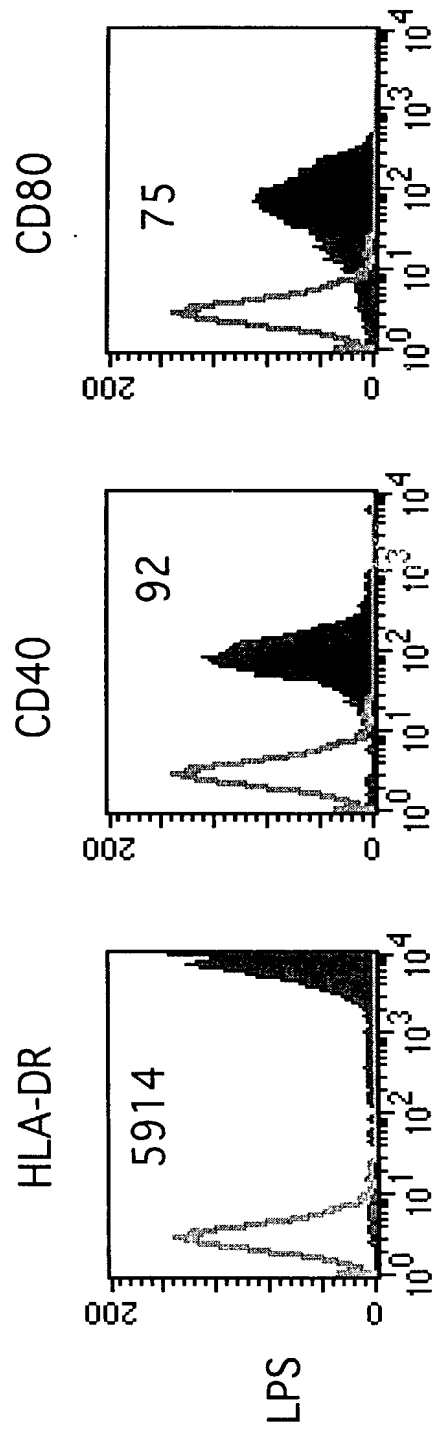


FIG. 6C

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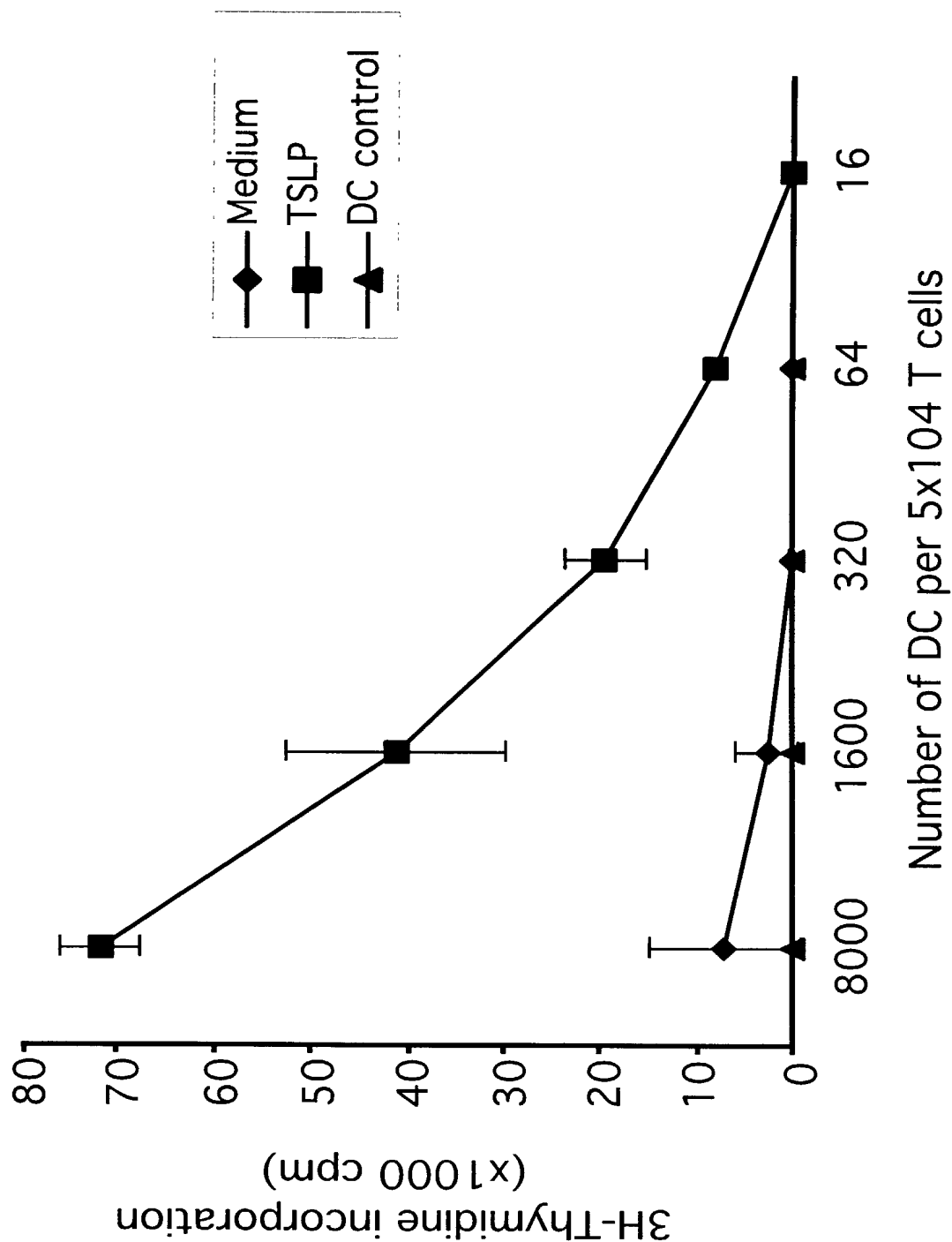


FIG. 7

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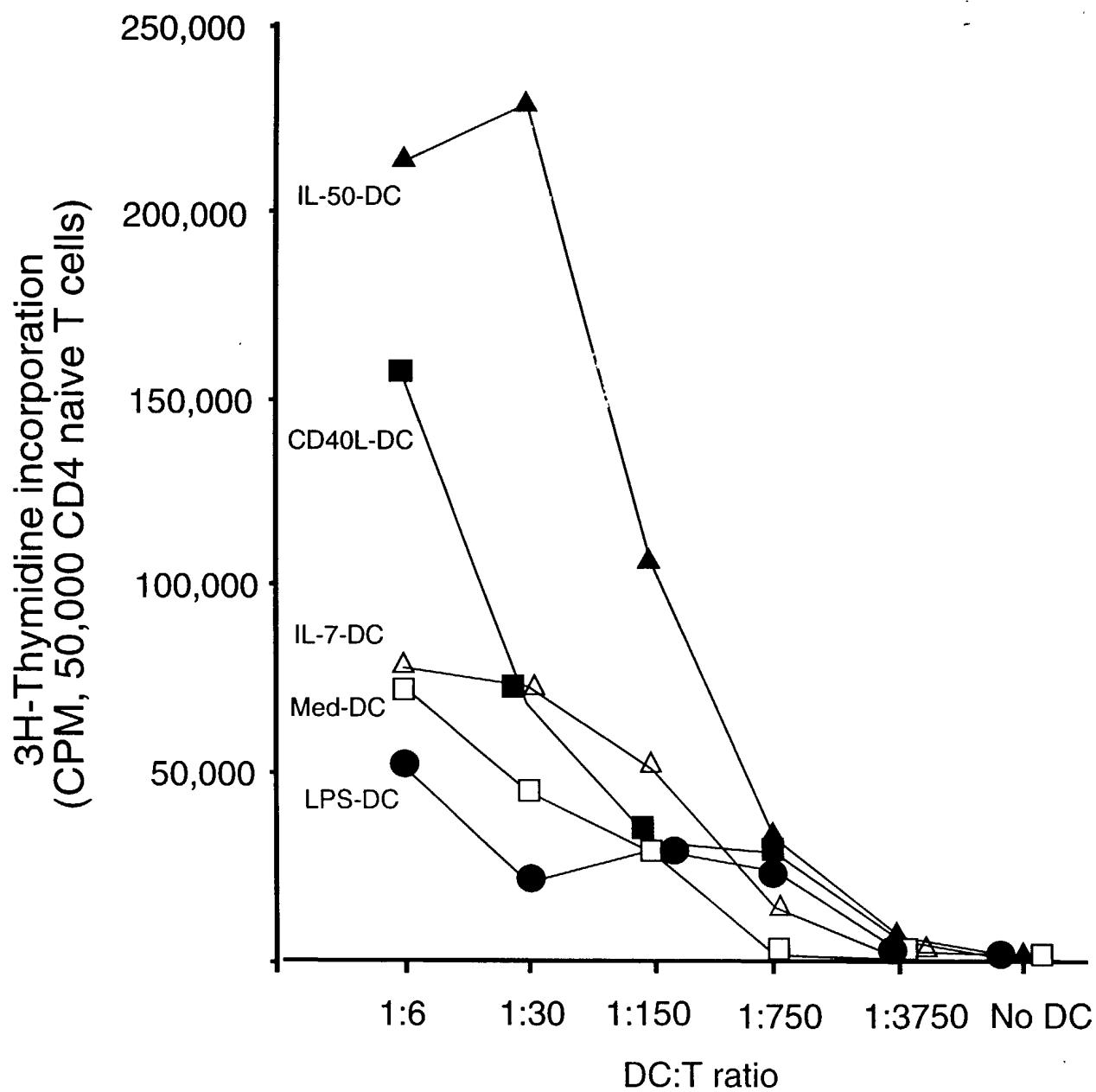


FIG. 8

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IL-4

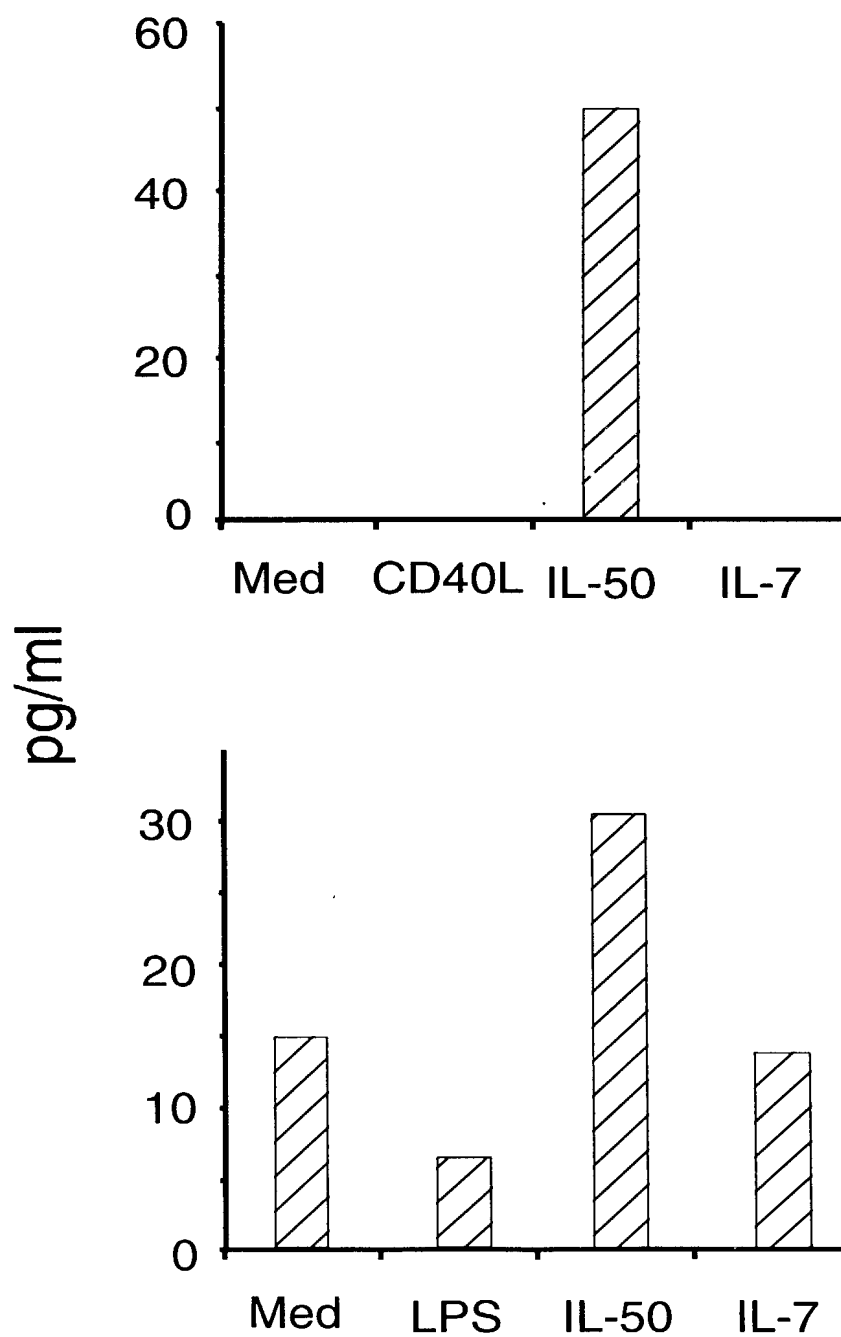


FIG. 9A



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IL-13

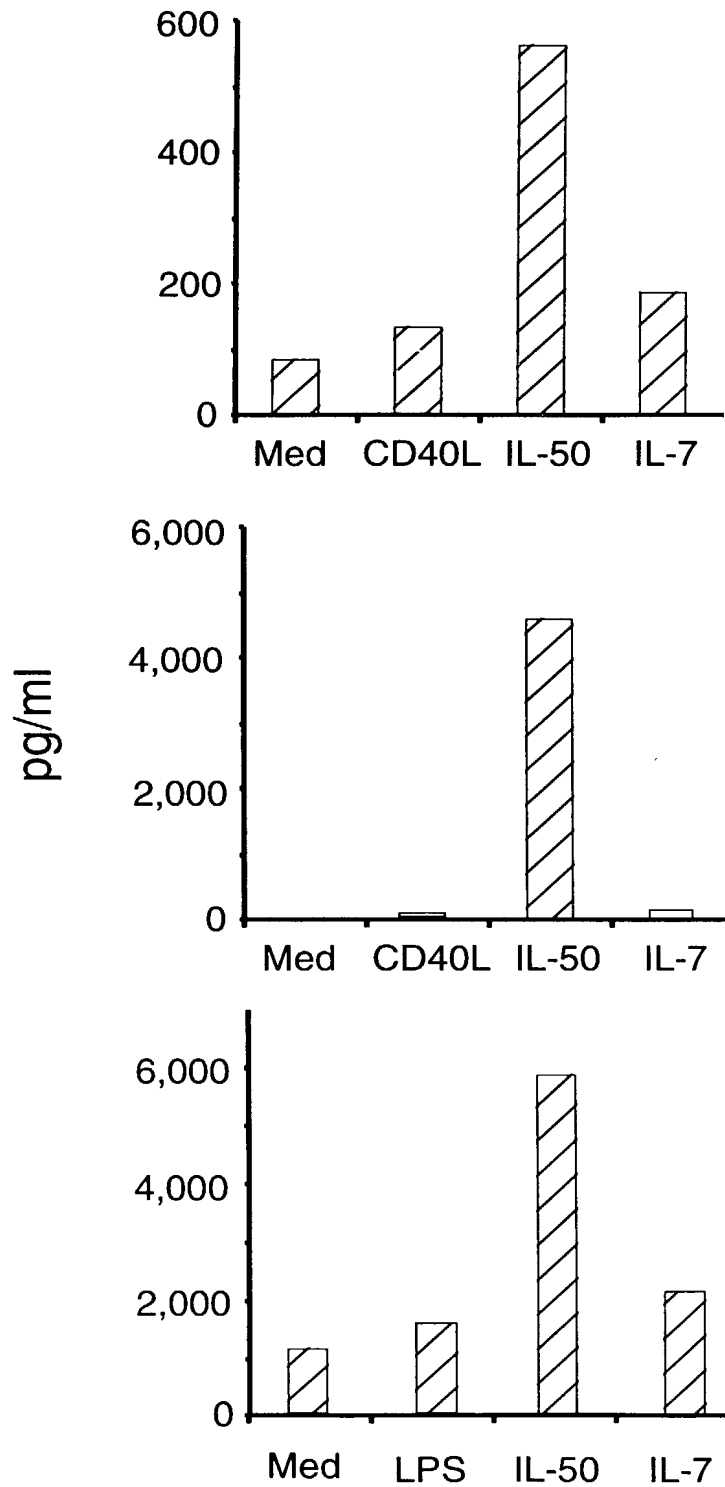


FIG. 9B

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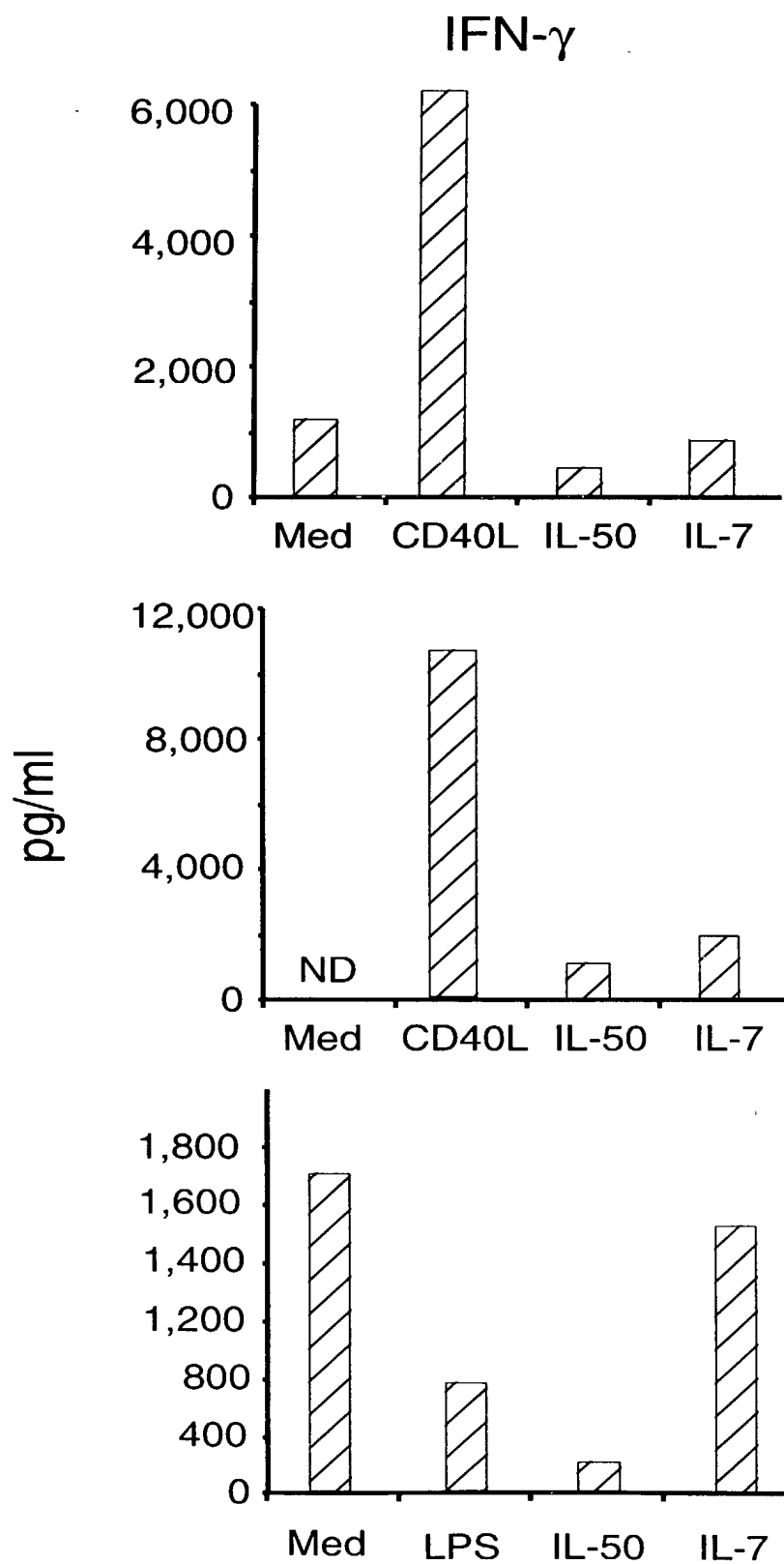


FIG. 9C

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### IL-10

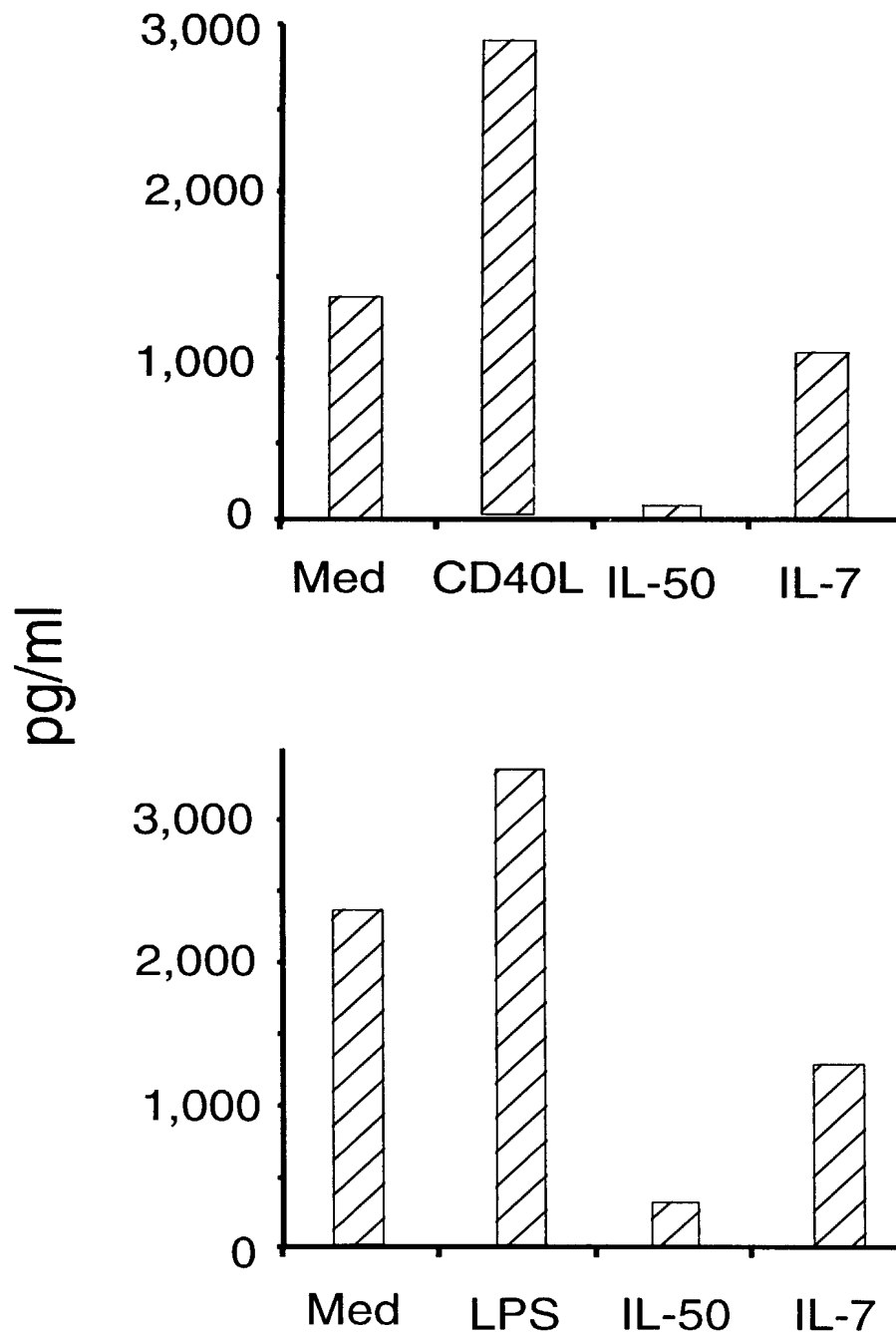


FIG. 9D

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TNF- $\alpha$

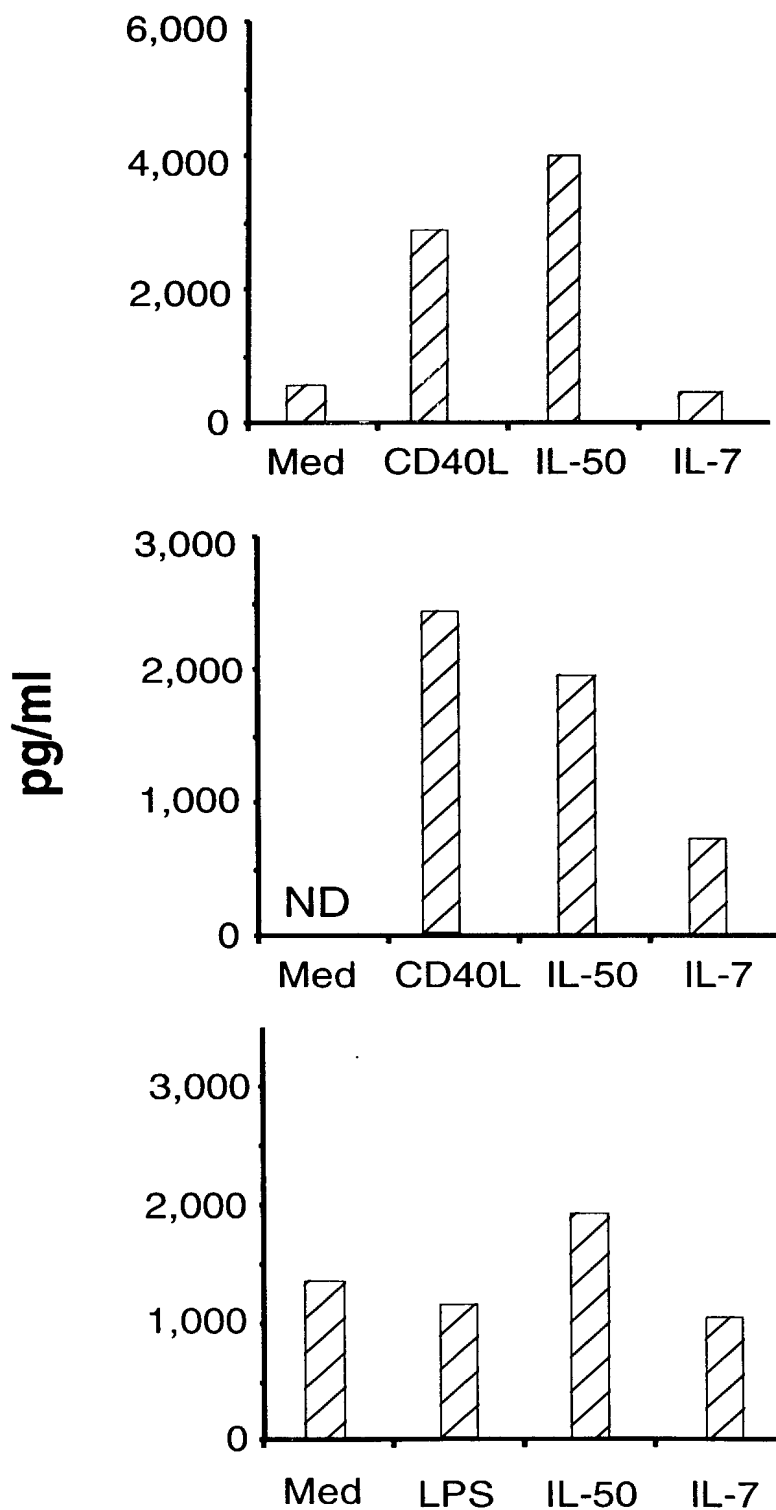


FIG. 9E

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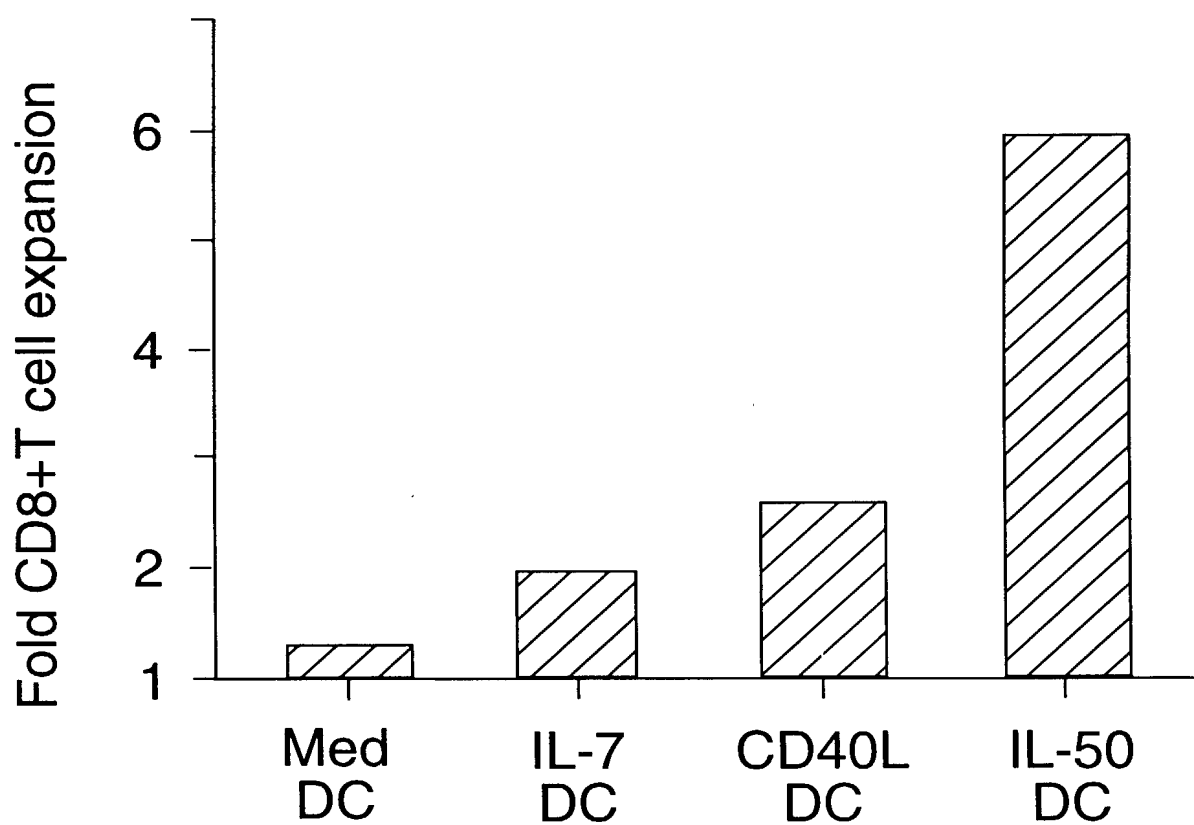


FIG. 10

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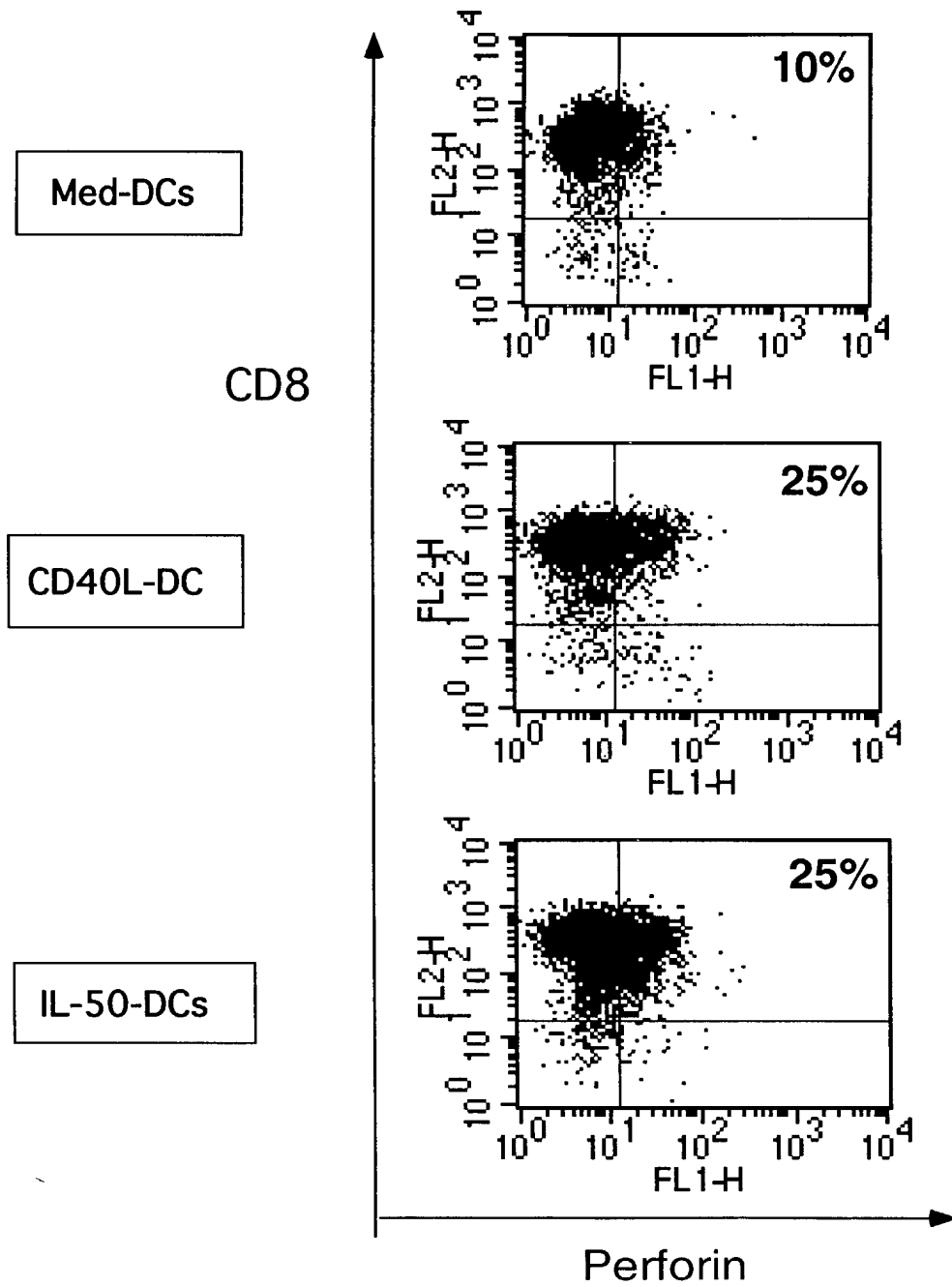


FIG. 11

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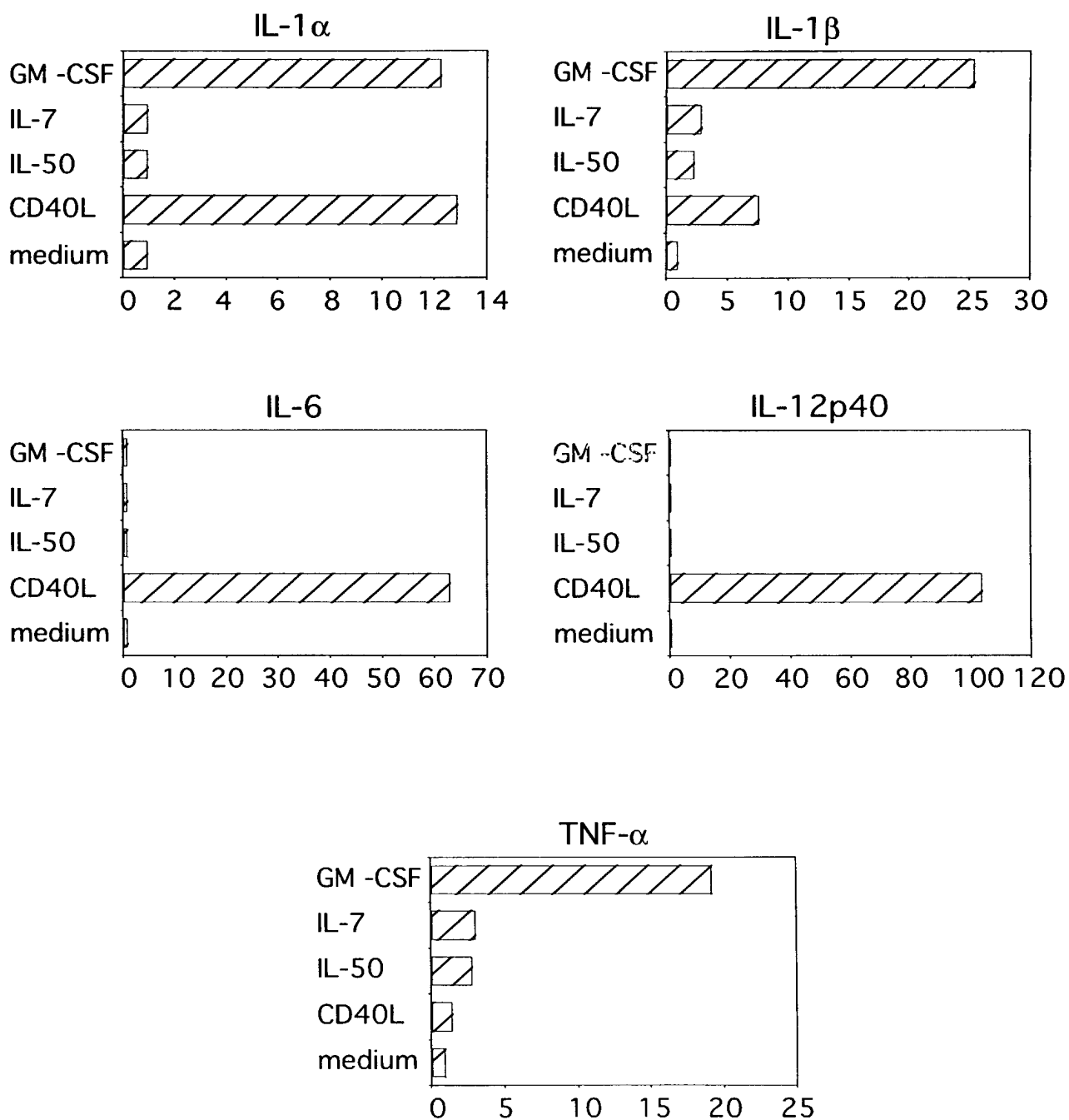
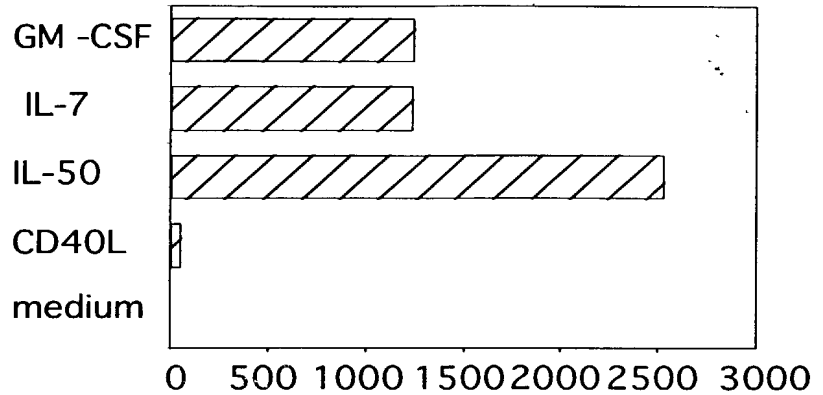


FIG.12A

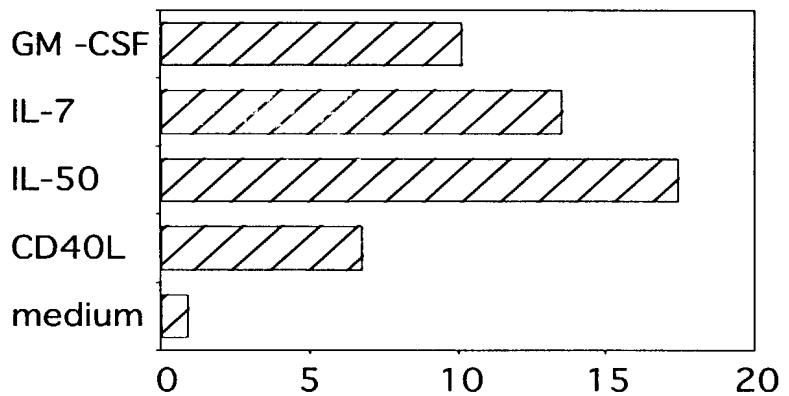
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Th2

TARC



MDC



DC+Naive

MIP3-beta

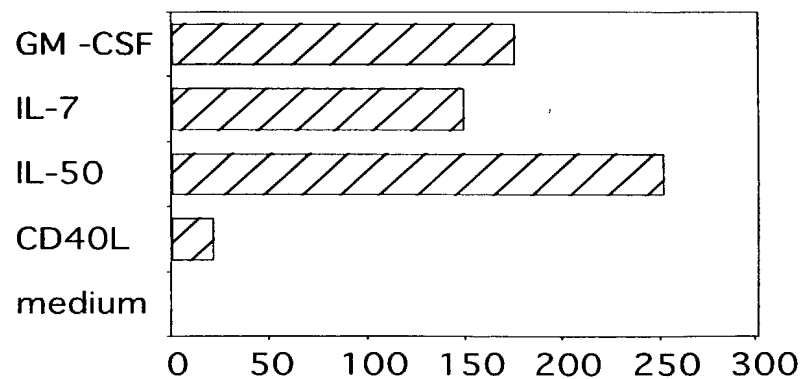
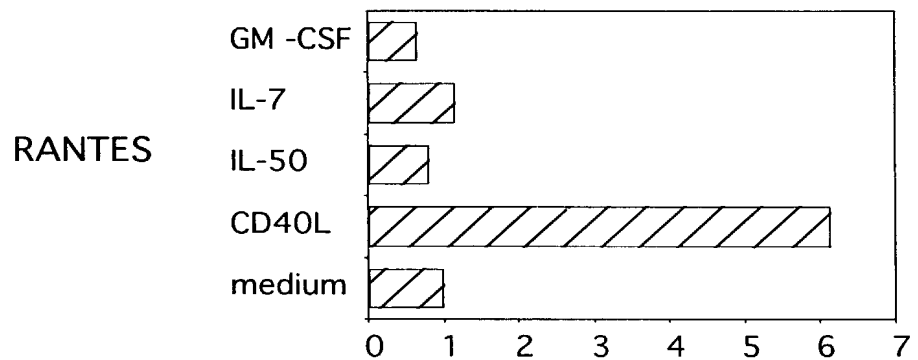
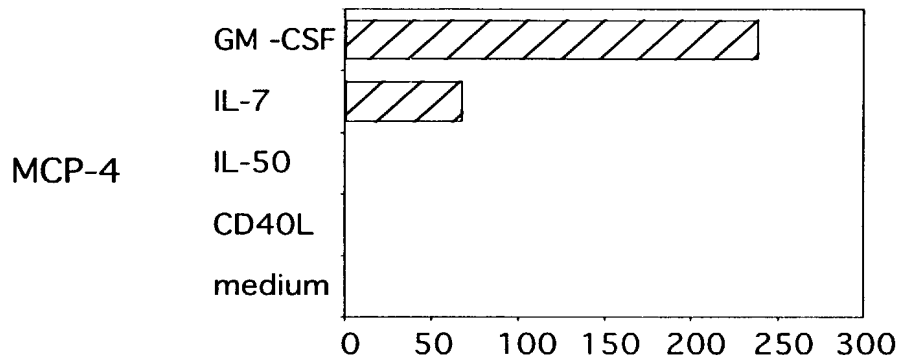
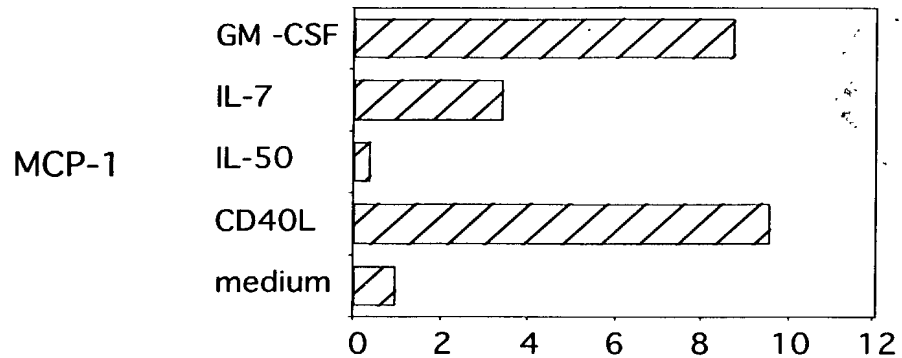


FIG. 12B



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Th2+Th1



Th1

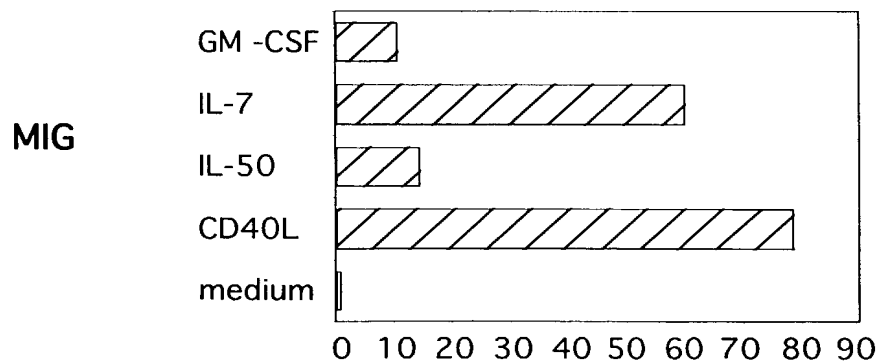


FIG. 12C

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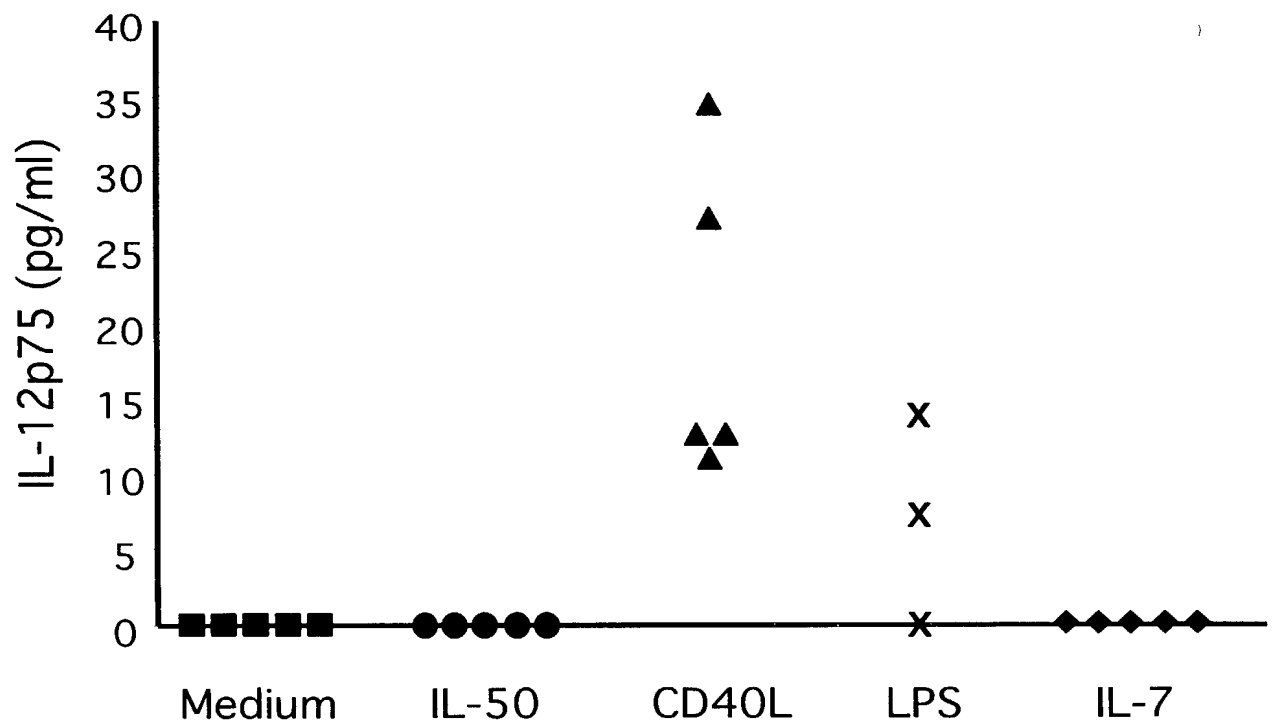


FIG. 13